dmc3-4/dmc1CD
Owner's Manual

m&s™
SYSTEMS
Integrated Home Technologies

Safety First

READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLING OR USING THE dmc3-4 SYSTEM

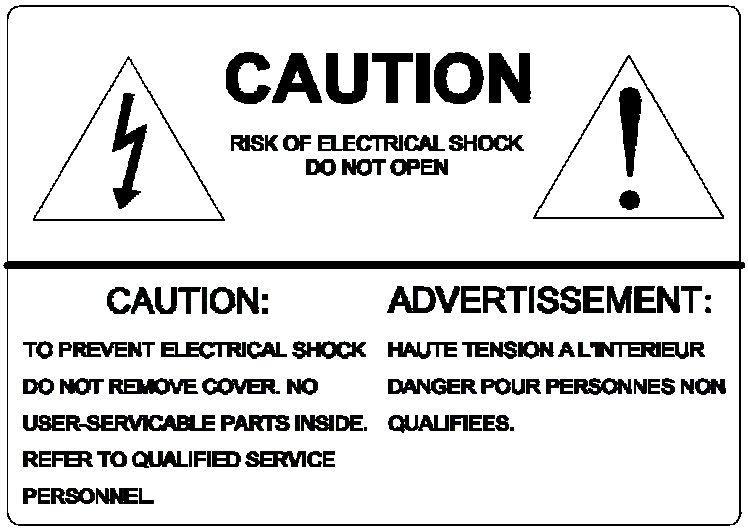
THE dmc3-4 MUST BE INSTALLED BY AN M&S SYSTEMS DEALER OR INSTALLER, AND MUST CONFORM TO ALL LOCAL BUILDING AND ELECTRICAL CODES.

Warning: Always follow these safety instructions.

Retain these instructions for future system reference.

DO NOT expose the dmc3-4 to moisture. Doing so can create fire or shock hazards and void the warranty.

DO NOT attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards and will void your warranty. Neither the Master Station nor the Room/Patio Stations contain any user-serviceable parts. **REFER ALL SERVICING TO QUALIFIED SERVICE PERSONNEL**.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

USE ONLY M&S Systems replacement parts and have them installed by an M&S Systems dealer or installer. Unauthorized substitutions can result in fire, electric shock, or other hazards.

Upon completion of any service or product repair, have the M&S Systems dealer or installer conduct a safety check to ensure the system is in proper operating condition.

Use only a damp cloth to clean the Master Station, Room /Patio Stations, Door Stations, and speakers. Do not use liquid cleaners or aerosol cleaners.

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Introduction

The dmc3-4 is an intercom and sound system designed for today's home. Its compact size and modern, elegant look complement any décor. The dmc3-4 offers more than just sensible good looks. It gives you peace of mind as it allows you to communicate with family members and monitor specified rooms. The dmc3-4 offers high quality sound throughout your home from several sources, including the radio, CD player or other connected audio sources in your home.

Please read all of the safety instructions before changing any settings on your dmc3-4.

Keep this manual in a safe place for future reference. If you lose the manual, you can download it from the M&S Systems web site (www.mssystems.com).

System Overview

The dmc3-4 is a retrofit system designed to use your existing intercom wiring and consists of three major components:

- Master Station
- Room/Patio Station—You can install up to 9 Room Stations in individual zones, 15 Room Stations in shared zones on a 4-wire (M&S Systems retrofit) installation and 13 Room Stations in shared zones on a 3-wire (NuTone retrofit), including 2 Patio Stations.
- Door Station—You can install up to 3 Door Stations.

Master Station

The Master Station gives you control over the system intercom and music capabilities. System setup is established at the master. These settings include: set the clock and establish music auto on/off times, select the system music source, save preset radio stations, set the scan mode, and activate the RF Remote. System volume, loudness, treble, bass, and balance (with optional amplifier) can also be controlled from the dmc3-4 master. Intercom functionality for each Room/Patio Station is established at the master by setting the intercom selector switches. Each room station can be set to Intercom Only, Radio and Intercom, Off, or Monitor.

The dmc3-4 provides the ability to monitor other stations and communicate with Door Stations. System functionality can also be established to provide Security and Home Automation features.

Room/Patio Station

The Room/Patio Stations provide intercom functions and system music control capabilities. Depending on the room configuration at the Master Station, a Room/Patio Station can communicate with or monitor other stations and communicate with the Door Stations. The system's music can be turned on and off, music volume adjusted, and music sources changed from the dmc3RS and dmc4RS room stations.

Door Station

The Door Station is an exterior intercom speaker and doorbell installed at home entrances. The dmc3-4 system supports up to 3 door stations. The door station allows for communications from within the house to visitors. Any station with its Intercom Selector Switches set to Intercom or Radio/INT can communicate with the Door Station.

System Settings

Figure 1—System Settings

Clock Settings

You can set two clock functions:

- Normal—Displays the normal time of day.
- Music Auto On/Off—Sets the times to automatically turn the last music source on and then off.

Figure 2—Clock Settings: Set Time

To change clock settings:

1. Press TIME. The hour field for Normal Time blinks, and SET TIME appears on the display.
2. Press VOLUME UP or VOLUME DOWN to change the hour. An *A* or *P* indicates AM or PM, respectively.
3. Press TIME. The minute field blinks. Use the VOLUME buttons to change the minutes.

4. Press TIME to continue through the settings: Music Auto On, hour and minutes and Music Auto Off, hour and minutes.
5. After you have entered Music Auto Off minutes, press TIME to return to Normal Time display.

Note: You can enable or disable the AUTO function. The word "Auto" will appear on the display when Auto Function is on. See *Music Settings/Auto On/Off.*

Music Settings

Music Source

You can select from four music sources:

- AUX—Any source you connect, such as an external CD player or a stereo system
- AM radio band
- FM radio band
- CD player (dmc1CD optional 6-Disc CD player). This source can also be used to hook up an external audio device if the system does not include a dmc1CD player. For CD functionality, see *Master Station Operation/CD Player Operation.*

To select a music source:

1. Press POWER to turn on music.
2. Press SOURCE repeatedly to cycle through AUX, AM, FM, and CD until you reach the music source you prefer.

Music Auto On/Off

You can set the system to turn music on automatically at a predetermined time and to turn the music off automatically at a predetermined time.

1. Set the Auto On/Off times as described under *Clock Settings*.
2. Press the AUTO button to toggle between On and Off. When the Auto function is on, AUTO appears on the display.
3. Simultaneously press and release VOL▲ and AUTO
4. Adjust volume to desired level with VOL▲ and VOL▼
5. Normal operation will resume after a few seconds

Radio Settings

You can tune in FM or AM radio stations, and can set up to 8 presets on each band.

Tune the Radio

To tune a radio station:

1. Press POWER to turn on the music.
2. Select FM or AM. See *Music Settings/Music Source* for instructions.
3. Use TUNE UP or TUNE DOWN to find a station. If you press and release, within 1 second, TUNE UP or TUNE DOWN, the tuner goes into Seek Mode and finds the next station with a strong signal. If you press and hold TUNE UP or TUNE DOWN, the tuner goes into Scan Mode and scans all frequencies until you release the button.

   Note: For the first two seconds, the tuner scans at slow speed to allow for fine tuning. After two seconds, the tuner scans at fast speed.

Preset Radio Stations

To preset radio stations:

1. Press POWER to turn on the music.
2. Select FM or AM. See *Music Settings/Music Source* for instructions.
3. Use TUNE UP or TUNE DOWN to find a station. See *Tune the Radio* above for seek and scan functions.
4. Simultaneously press TUNE UP and TUNE DOWN to enter Store Preset mode. The display shows PRESET and a preset number.

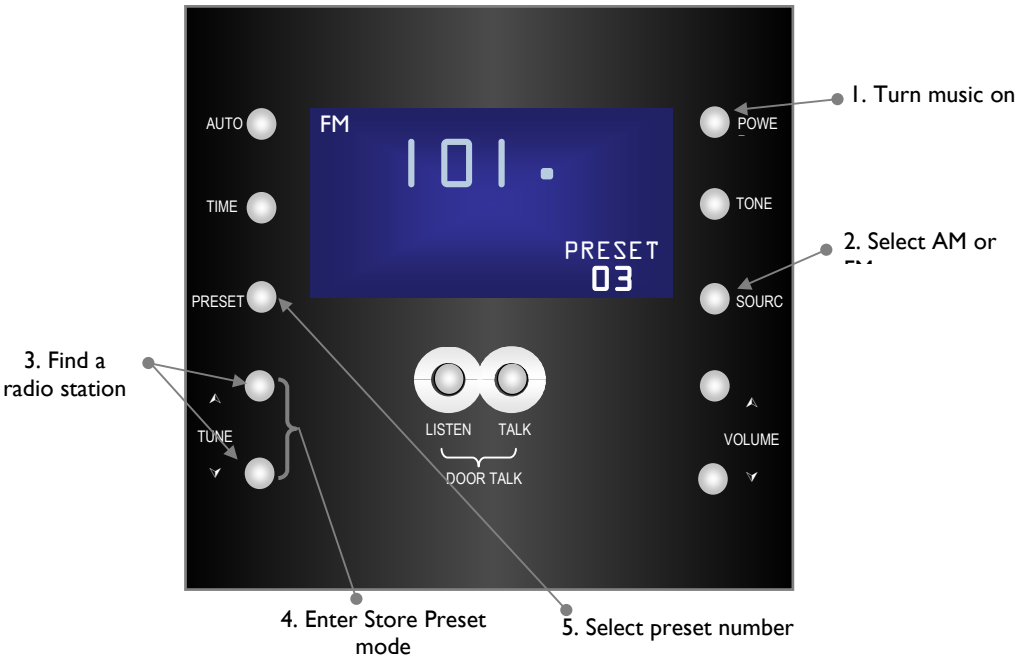

Figure 3—Preset Radio Stations

5. If you don't want to assign a preset number, wait 5 seconds and your selected radio station will automatically be assigned to the preset number that is displayed. If you want to select the preset number, press the PRESET button repeatedly to cycle through numbers1-8 until you reach the preset number you want.
6. Wait 5 seconds. The display updates to show the new station for the selected preset number.

Note: This activity can be cancelled at any time during the process by pressing TUNE UP and TUNE DOWN simultaneously again, and no new preset is stored.

Scan Mode

Two scan modes are available. The scan mode for the room stations is set at the master. The two scan modes are identified below. To set your scan mode:

- Scan 1—Allows the Room/Patio stations to scan through the four music sources (AUX, AM, FM, CD). On radio bands AM and FM, Scan 1 scans through the preset radio stations: AM 1-8 and FM 1-8. See *Music Settings*/*Radio Settings* for information on how to preset radio stations.
- Scan 2—Allows Room/Patio stations to scan through the four music sources (AUX, AM, FM, CD.) On radio bands AM and FM, Scan 2 scans all strong stations before moving on to the next source.

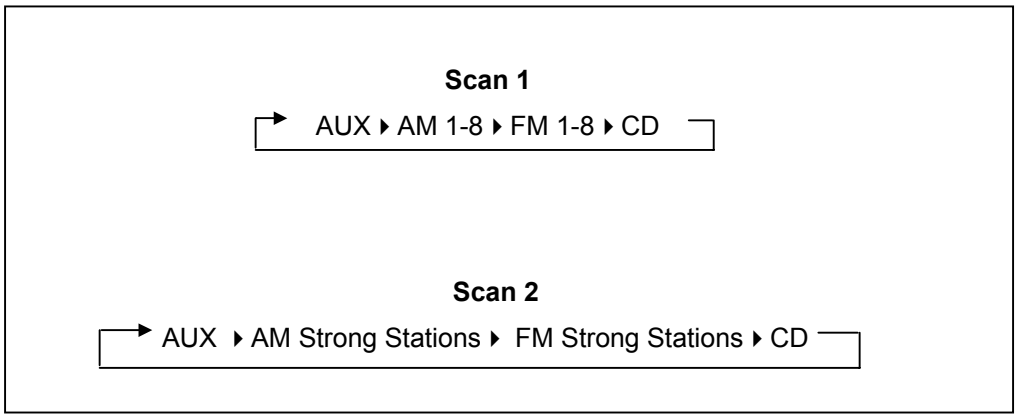

Figure 4—Scan Progressions

To set the Scan Mode:

1. To change the scan mode, simultaneously press and release PRESET and SOURCE again. The display shows either Scan1 or Scan2.

Note: Exit out of scan mode by pressing PRESET and SOURCE or waiting for the display to show the clock time again.

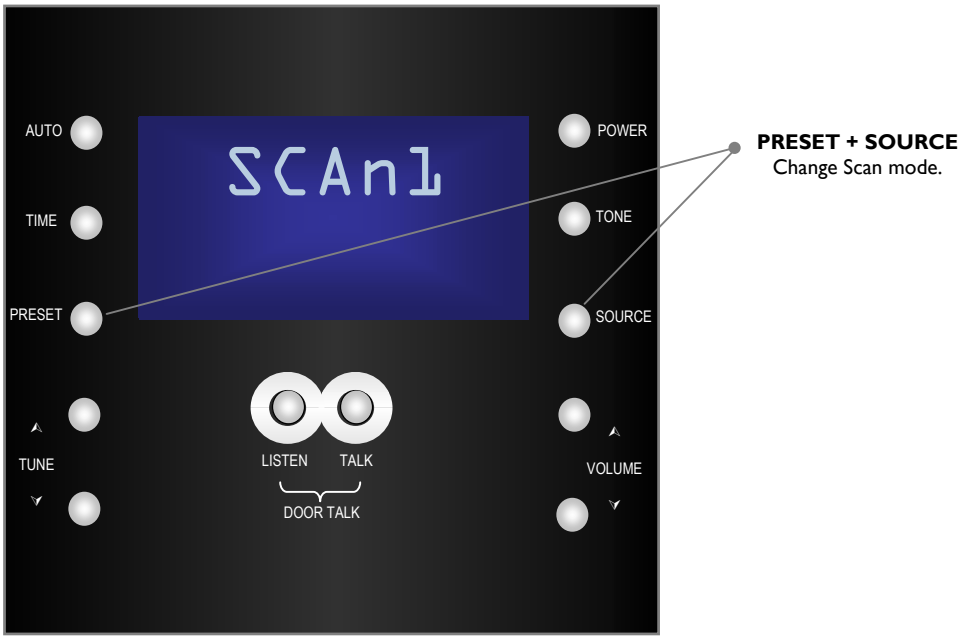

Figure 5—Scan Mode

Audio Settings

Volume

- Music—Adjusts the volume for system music
- Master Station—Adjusts the volume for the speaker on the Master Station only
- Intercom—Adjusts the volume for the system intercom

Tone

- Loudness
- Treble
- Bass
- Balance (if you have the optional stereo power amplifier)

To change volume and tone settings:

1. Press POWER to turn on music. The system defaults to music volume. Use VOLUME UP and VOLUME DOWN to adjust the music volume from 0-29. All other audio settings return to music volume after 5 seconds.
2. Press TONE. Master Volume appears. This controls the volume for the Master Station speaker only. Use VOLUME UP and VOLUME DOWN to adjust the Master Volume from 0-14.

   Note: When music is off, use VOLUME UP and VOLUME DOWN to adjust Master Volume.
3. Press TONE. The Loudness function appears. Press VOLUME UP to turn Loudness on. Press VOLUME DOWN to turn Loudness off.
4. Press TONE. The Treble function appears. Use VOLUME UP and VOLUME DOWN to adjust the treble from 0-14.
5. Press TONE. The Bass function appears. Use VOLUME UP and VOLUME DOWN to adjust the bass from 0-14.
6. Press TONE. If you have the optional stereo power amplifier, the Balance function appears. Use VOLUME UP and VOLUME DOWN to adjust the Balance from +10 to –10. (Zero = equal balance.)
7. Press TONE. Intercom Volume appears. Use VOLUME UP and VOLUME DOWN to adjust the Intercom Volume from 0-14.

   Note: When music is off, press TONE to access Intercom Volume, then use VOLUME UP or VOLUME DOWN to adjust Intercom Volume.

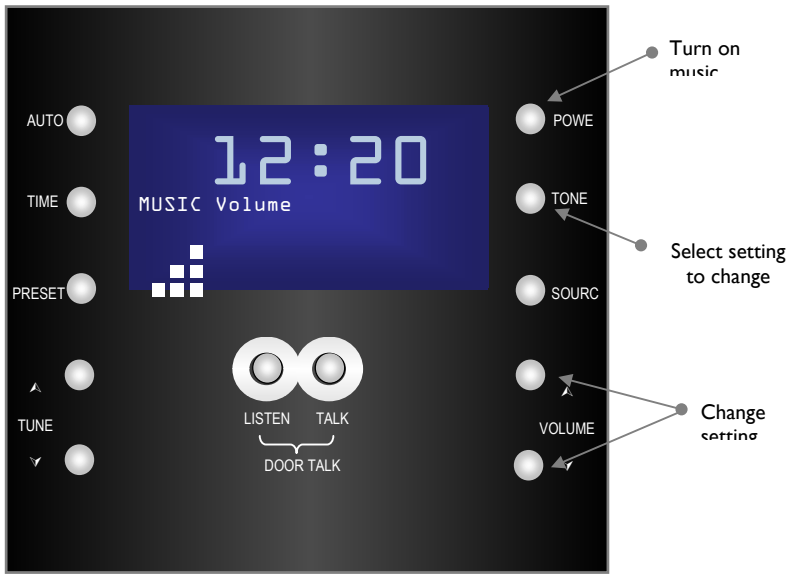

Figure 6—Audio Settings: Music Volume

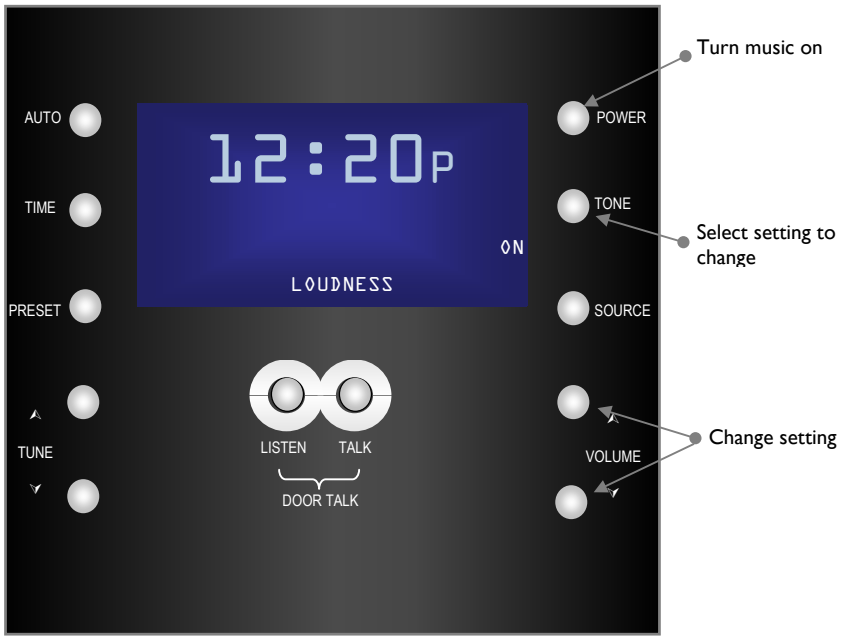

Figure 7—Tone Settings: Loudness

Display Brightness

1. Simultaneously press TUNE UP and POWER. The display cycles through brightness levels: low, medium, and high, then repeats the cycle.
2. Press the buttons repeatedly until you reach the brightness you prefer.

Intercom Selector Switch Settings

You can set all major Intercom functions using the Intercom selector switches on the Master Station.

You can set each station to one of four configurations:

- Intercom Only
- Radio/INT (Music source and Intercom)
- Off
- Monitor

Note: When the system has more than 9 Room Stations some intercom selector switches will control two room stations.

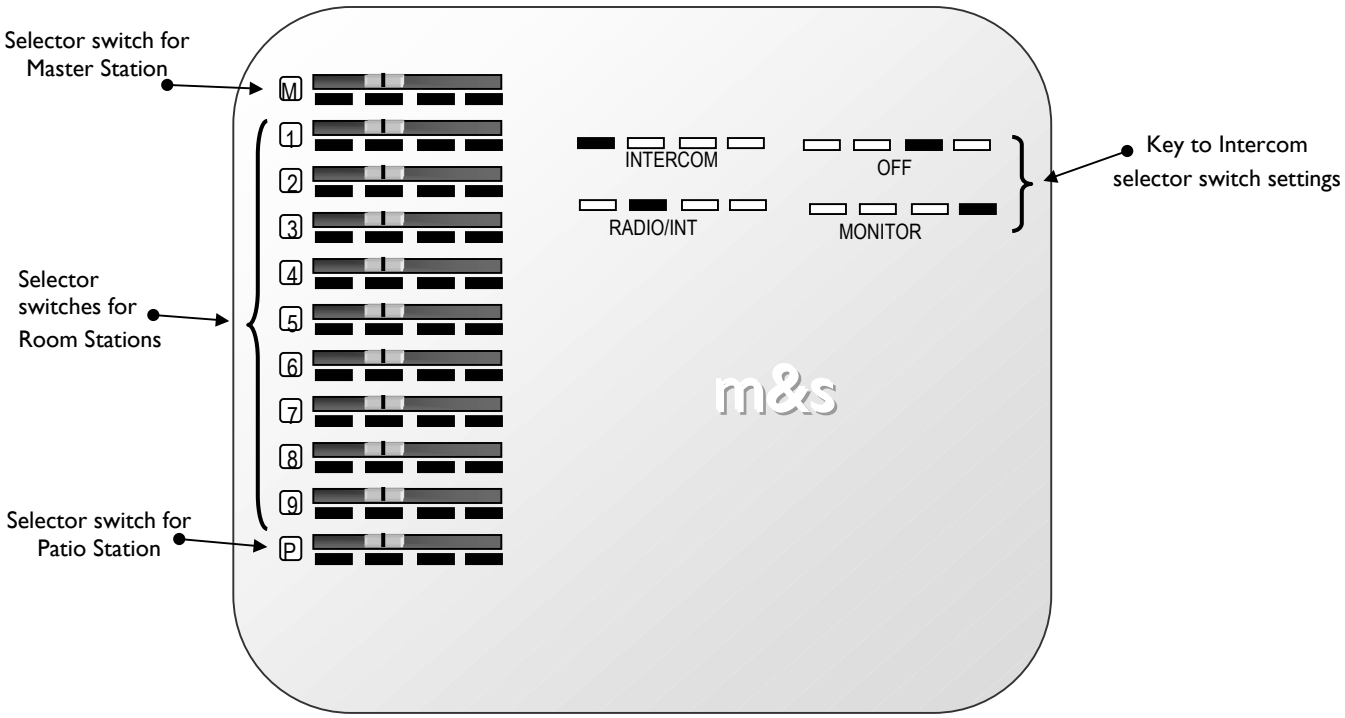

Figure 8—Intercom Settings

Intercom

When a station is set to Intercom (Intercom only):

- You can talk and listen from this station.
- The room does not receive music.
- The room cannot be monitored.
- The room cannot hear other rooms that are set to Monitor.
  Note: When a station is set to Intercom, the sound and activity in that room can be heard by another room station by pressing the LISTEN button.
- The station hears the door chime and users can talk and listen to the Door Station.

Radio and Intercom

When a station is set to Radio/INT (Music source and Intercom):

- You can talk and listen from this station.
- The room can receive music.
- The station can monitor any other station that is set to Monitor.
  Note: When music is on, the audio from a monitored room is heard in addition to the music.

- The station itself cannot be monitored.
  Note: When a station is set to Radio/INT, the sound and activity in that room can be heard by another room station by pressing the LISTEN button.

- The station hears the door chime and communicate with and listen to a door Station.

Off

When a station is set to OFF:

- You can communicate from a Room Station but you cannot communicate from a Patio Station.
- Other Room Stations cannot listen to the room.
- The room cannot receive music or intercom-related audio.
- The room cannot be monitored.
- The station does not hear the door chime and cannot talk and listen to the Door Station.

Monitor

When a station is set to Monitor:

- Any station set to Radio/INT can continually hear all sound and activity in the room.
- You can communicate with other room stations.
- The room cannot hear the door chime.
- You can talk to the Door Station, but will not be able to listen to it.
- The room cannot receive music.

Intercom Operation

Talk

Talk allows users to talk to all stations with selector switches set to Intercom or Radio/INT.

To initiate a Talk/Listen session, press TALK and begin talking. You can hear remote users if you press the LISTEN button or if they press their TALK button.

Listen

Press LISTEN to listen to all stations set to Intercom or Radio/INT.

Door Talk/Listen

- Press TALK and LISTEN simultaneously to enter Door Talk mode. This allows you to talk to the Door Stations. All other stations set to Intercom or Radio/INT can hear the conversation.
- Release the TALK and LISTEN buttons to listen to the Door Station. The Listen mode is active for a total of 25 seconds after you release the TALK and LISTEN buttons. You may talk again at any time by pressing TALK and LISTEN. Each time the buttons are released, you can listen for another 25 seconds.
- Door Talk mode is suspended at the end of the 25 second listening period or if you press either the TALK button or the LISTEN button individually.

Monitor

All stations set to Radio/INT on the Master Station can continually hear the sound and activity from a station set to Monitor.

Security/Home Automation (Optional)

This optional function can control another system that is properly connected to the dmc3-4. For example, it may control a door release mechanism, turn on the lights, set off an alarm, etc. This function is available from the Master Station and all remote scan Room Stations (dmc3-4RS). It is not available from a Patio Station.

To initiate this feature from a room station:

1. Simultaneously press VOLUME UP and VOLUME DOWN and hold for at least 4 seconds. After 4 seconds, this feature is active for as long as the buttons are pressed.
2. Release the buttons to deactivate the feature.

Master Station Operation

Radio Operation

1. Press POWER to turn on music.
2. Select either FM or AM as the music source. See *Master Station Settings/Music Settings/Music Source* for instructions.
3. Use TUNE UP or TUNE DOWN to select a station, or press PRESET to select a preset station.

Room/Patio Station Operation 4-Wire (M&S Systems Retrofit)

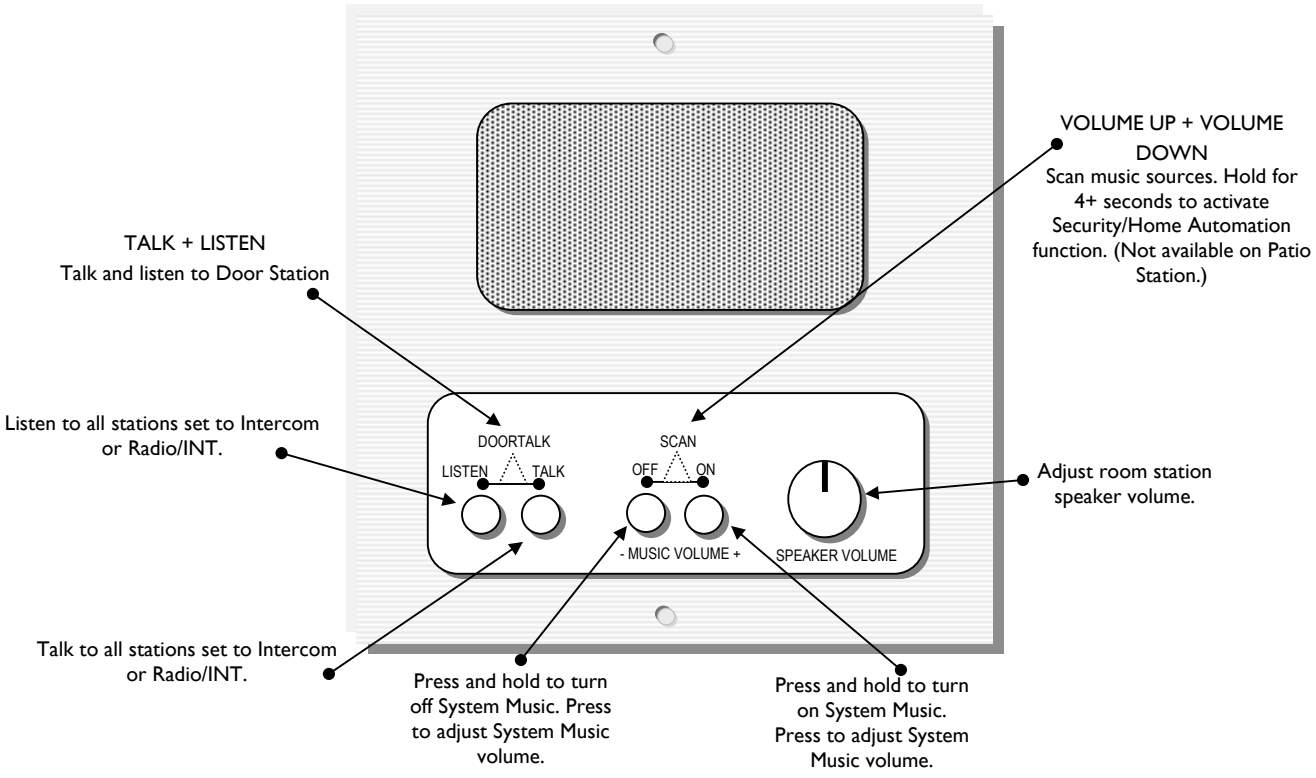

Figure 9—Room/Patio Station 4-wire System

Turn Music Source On and Off

You can turn the Music Source on and off from any remote scan (dmc4RS model) Room/Patio Station.

- To turn the Music Source on, press the MUSIC VOLUME UP button.
- To turn the Music Source off, press the MUSIC VOLUME DOWN button until the volume level goes to zero.

Adjust System Music Volume

Adjust the system music volume from any remote scan (dmc4RS model) Room/Patio Station by pressing VOLUME UP or VOLUME DOWN.

Select Music Source

The system music source can be selected from any Room/Patio Station. The music sources that are available vary depending on the Scan setting on the Master Station. (See *Master Station Settings/Music Settings/Scan Mode* for details.)

Note: You cannot select specific tracks on the CD from a Room/Patio Station.

To scan for a music source:

1. Simultaneously press and release VOLUME UP and VOLUME DOWN to switch music sources.

   Note: If you press and hold these buttons for 4 seconds or more, you initiate the Security/Home Automation function. (See *Intercom Operation/Security/Home Automation* for details.) This function is not available on the Patio Station.

Room Station/Patio Operation 3-Wire (NuTone Retrofits)

Turn Music Source On and Off

You can turn the Music Source on and off from any remote scan (dmc3RS model) Room/Patio Station.

- To turn the Music Source on, press the MUSIC VOLUME UP button.
- To turn the Music Source off, press the MUSIC VOLUME DOWN button until the volume level goes to zero.

Adjust System Music Volume

Adjust the system music volume from any Room/Patio Station by pressing VOLUME UP or VOLUME DOWN.

Select Music Source

The system music source can be selected from any Room/Patio Station. The music sources that are available vary depending on the Scan setting on the Master Station. (See *Master Station Settings/Music Settings/Scan Mode* for details.)

Note: You cannot select specific tracks on the CD from a Room/Patio Station.

To scan for a music source:

2. Simultaneously press and release VOLUME UP and VOLUME DOWN to switch music sources.

Note: If you press and hold these buttons for 4 seconds or more, you initiate the Security/Home Automation function. (See *Intercom Operation/Security/Home Automation* for details.) This function is not available on the Patio Station.

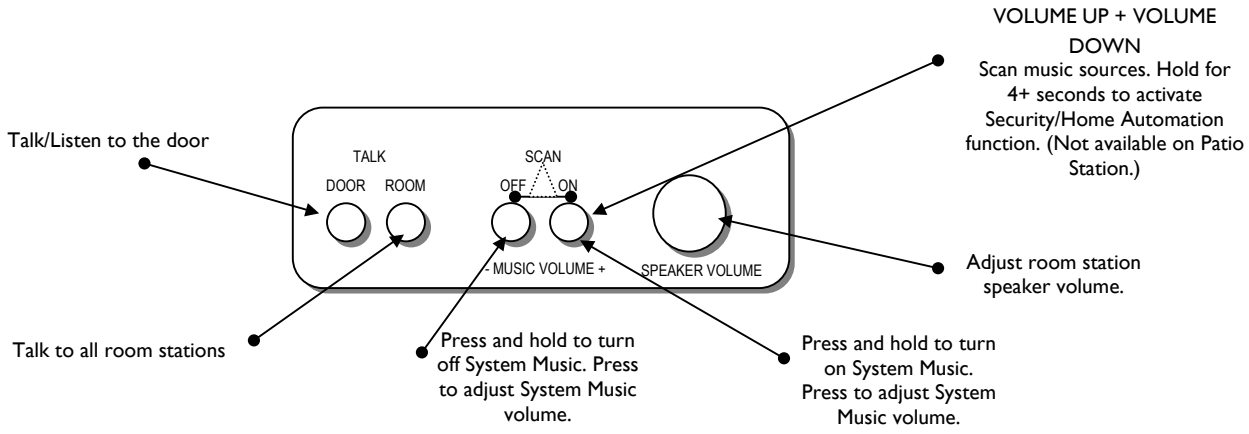

Figure 10 – Room/Patio Station 3-wire System

Door Station Functions

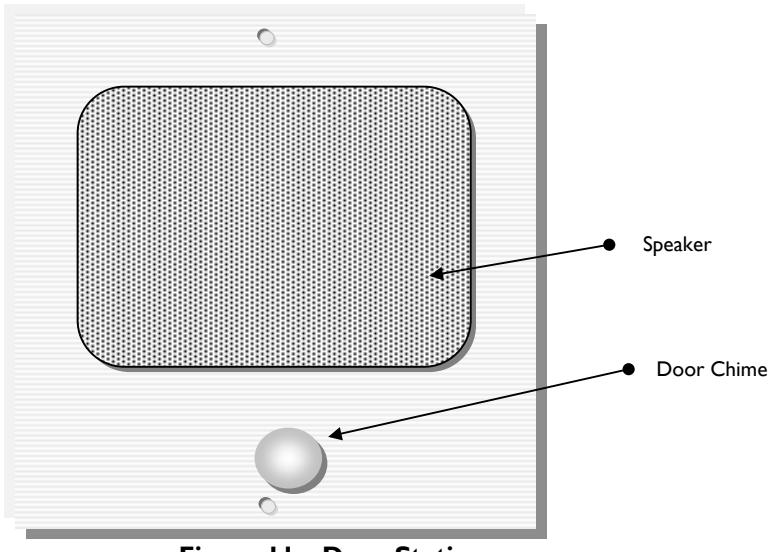

Figure 11—Door Station

When the button on the Door Station is pressed, the chime is heard on all stations set to Intercom or Radio/INT.

- All system audio (music and intercom) is muted when the chime rings.
- If the Door Station is engaged in a talk or listen session, the chime is not heard.

CD Player Operation (Optional)

1. Load up to 6 CDs in the CD changer.
2. Press POWER to turn on music.
3. Select CD as the music source. See *Master Station Settings/Music Settings/Music Source* for instructions.

When CD is selected as the music source, the display shows the following information:

- Which CD is playing, indicated by a circle around the CD number
- The track that is playing, indicated by the number on the display

Note: Initially, the display shows six CD positions. If the CD player reaches a CD position and finds no CD loaded there, that number disappears from the display.

CD Functions

Figure 12—CD Functions

RF Remote Control (Optional)

Up to 4 different remotes can be programmed to control the Master Station. The system obtains a unique code from the remote, virtually insuring that no one else can interfere with your system and you will not interfere with anyone else.

To program the RF remote:

1. Simultaneously press and release AUTO and SOURCE. RF and SET appear on the display.
2. Press and hold any button on the remote until the RF and SET disappear from the display. The remote is now ready to use.

Note: To cancel programming of remote, press and release AUTO and SOURCE.

The remote is an RF (radio frequency) remote control, which means that you can use it from any location in the house. You do not have to be in the same room as the Master Station.

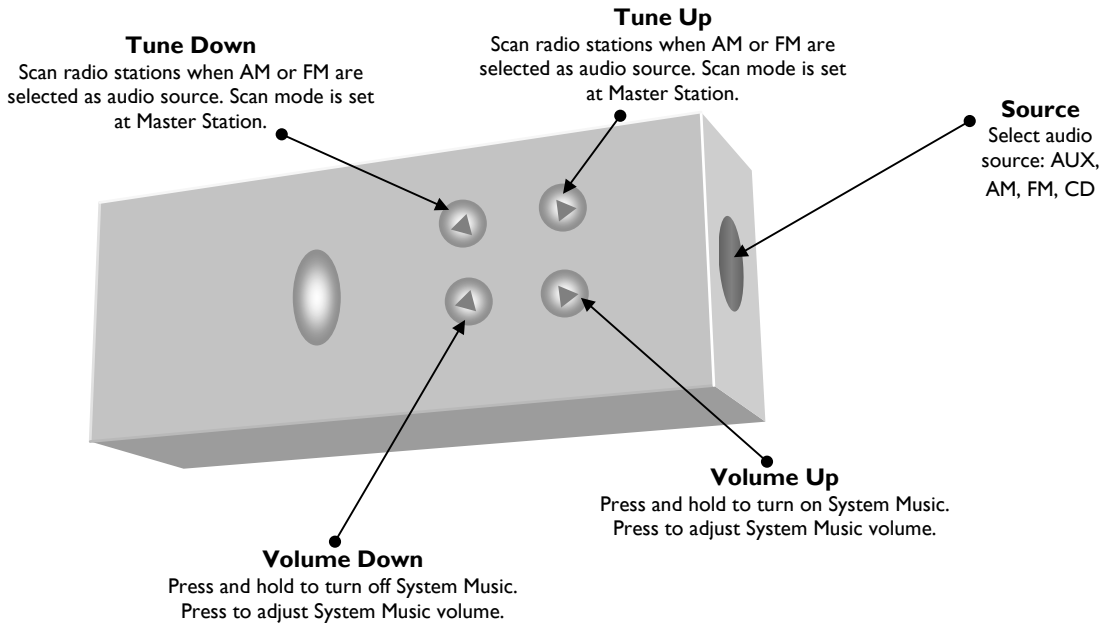

Figure 13—RF Remote

Note: If 4 remotes have previously been programmed and a replacement remote (due to breakage or loss) is ordered, all 4 remotes will need to be reprogrammed.

M&S Systems 2-Year Warranty

M&S Systems warrants its products to be free of defects for 2 years. Except for the AirVac Gold power units. The warranty period begins on either (a) the date of purchase or installation date of this product or (b) the date of closing on a new residence in which this product was originally installed. The warranty extends to the original user of the product and to each subsequent owner of the product during the term of the warranty. M&S will repair or replace, at its option, parts and materials at no charge. Parts supplied under this warranty may be new or rebuilt at the option of M&S Systems.

If during the warranty period the product appears to have a defect, please call our toll free service number (800-366-9422) prior to dismantling. Dismantling the product prior to calling our service number may void the warranty. Before returning any product to M&S Systems, obtain a Return Authorization Number (RAN) from our service department. M&S Systems will return the repaired product freight prepaid within the continental United States. ANY PRODUCT RETURNED TO M&S SYSTEMS WITHOUT A RAN NUMBER WILL BE REFUSED.

This limited warranty is in lieu of any other warranties, express or implied, including any implied warranty of merchantability or fitness for a particular purpose or otherwise, and of any other obligations or liability on the seller's part. This limited warranty does not cover damage caused by improper installation, acts of God, criminal acts, the violation of applicable building or electrical codes or the use of non-M&S wire, cable (excluding CAT5 and RG-6) or wall housings.

Under no circumstances shall M&S Systems be liable for consequential, incidental or special damages arising in connection with use, or inability to use this product. In no event shall M&S Systems liability hereunder exceed the cost of the product covered hereby. No person is authorized to assume for us or obligate us for any other liability in connection with the sale of this product. Some states do not allow the exclusion or limitation of consequential, incidental or special damages, so the above limitation or exclusion may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

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